



ASPECT Data Quality Objectives

The ASPECT Program will conduct screening level assessments to evaluate the unreported or undetected releases of hazardous materials or contaminants from industrial sites. The screening level results from ASPECT will be compared to the ASPECT list of Texas Commission on Environmental Quality (TCEQ) short-term Air Monitoring Comparison Values (AMCVs). If the short-term AMCVs are exceeded, the Division Supervisor, Incident Commander and the EU will determine if a Site-Specific Evaluation will be conducted.

The ASPECT will also collect images to be provided to the Situation Section for situational awareness. The IC will prioritize the targets.

The table below lists the chemical compounds that are included in the TCEQ short-term AMCV spreadsheet and in the ASPECT automated detection library.

Chemical Compounds	Short-term AMCV (ppm)	ASPECT Detection Limit (ppm)*
1,1-dichloroethane	1.0	0.8
1-butene	27	12
acetone	11	5.6
dichlorodifluoromethane	10	0.7
ethyl acetate	4	0.8
ethylene	500	5
isobutane	33	15
methyl ethyl ketone	20	7.5
methylene chloride	3.4	1.1
n-butyl acetate	7.4	3.8
n-propyl acetate	2	0.7
propylene	Simple Asphyxiant	3.7
vinyl chloride	27	0.6

* Green indicates where ASPECT detection limits are below the short-term AMCV. The concentration limits are derived using a 10 meter plume path length.